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DATE MAILED: 07/18/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

60537 7590 971,822008

BRINKS HOFER GILSON & LIONE/MARVELL
P.O. BOX 10395
CHICAGO, II. 60610

| EXAMINER | MAI, TAN V | ART UNIT | PAPER NUMBER | 2193

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,828	12/03/2003	Ping T. Tang	MP1436	5519

TITLE OF INVENTION: METHODS AND APPARATUS FOR PERFORMING CALCULATIONS USING REDUCED-WIDTH DATA

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/20/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees wi spondence address;	ill be i and/or	nailed to the current (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				ers Each additional	paper	can only be used for cate cannot be used for such as an assignmenting or transmission.	or domestic mailings of the for any other accompanying ant or formal drawing, must
60537	7590 07/18					of Mailing or Trans	mission
BRINKS HOF P.O. BOX 1039 CHICAGO, IL 6	5	IONE/MARVELL	I he Stat addi tran	reby certify that this	· Feets	Transmittal is being	g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/726,828	12/03/2003	•	Ping T. Tang			MP1436	5519
			MING CALCULATIONS				
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	10/20/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
MAI,	ΓAN V	2193	708-270000				
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTOVSB/122) attached. "Fee Address" indication or "Fee Address" Indication form PTOVSB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(I) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent atto	reprinting on the patent from page, list he names of up to 3 registered patent attorneys gents OR, alternatively, he name of a single firm (having as a member a terted attorney or agent) and the names of up to sistered patent attorneys or agents. If no name is 3			
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		(B) RESIDENCE: (CITY	atent. If an assigner assignment. and STATE OR CO	DUNT	RY)	ocument has been filed for
4a. The following fee(s) Issue Fee	are submitted:	41	D. Payment of Fee(s): (Plea	se first reapply any	y prev	iously paid issue fee	shown above)
	vo small entity discount p	permitted)	Payment by credit car	d. Form PTO-2038	is atta	ched.	
Advance Order -	# of Copies		The Director is hereby overpayment, to Depo	authorized to charg	e the r	equired fee(s), any de (enclose a	ficiency, or credit any n extra copy of this form).
5. Change in Entity Sta	tus (from status indicated is SMALL ENTITY statu		☐ b. Applicant is no lon				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regist	tered a	ttorney or agent; or th	ne assignee or other party in
Authorized Signature							
Typed or printed name			Registration No.				
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any con er, U.S. Patent and T D THIS ADDRESS.	e publ inutes nment: l'radem SENI	ic which is to file (and to complete, including s on the amount of the lark Office, U.S. Dep O TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,



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P.O. BOX 10395			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60610			2193 DATE MAILED: 07/18/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 684 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 684 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
Examiner-Initiated Interview Summary	10/726,828	TANG ET AL.		
Examiner-initiated interview duminary	Examiner	Art Unit		
	Tan V. Mai	2193		
All Participants:	Status of Application: <u>Amendment After Final</u>			
(1) <u>Tan V. Mai</u> .	(3)			
(2) <u>Bobby Rastogi</u> .	(4)			
Date of Interview: 15 July 2008	Time: <u>10:00 am</u>			
Type of Interview: ☐ Telephonic ☐ Video Conference ☐ Personal (Copy given to: ☐ Applicant ☐ Applic Exhibit Shown or Demonstrated: ☐ Yes If Yes, provide a brief description:	cant's representative)			
Part I.				
Rejection(s) discussed:				
Claims discussed: 39 and 51				
Prior art documents discussed:				
Part II. SUBSTANCE OF INTERVIEW DESCRIBING THE GENE See Continuation Sheet	ERAL NATURE OF WHAT WAS	S DISCUSSED:		
Part III.				
 It is not necessary for applicant to provide a separate directly resulted in the allowance of the application. Ti of the interview in the Notice of Allowability. It is not necessary for applicant to provide a separate did not result in resolution of all issues. A brief summa 	ne examiner will provide a writte record of the substance of the	en summary of the substance interview, since the interview		
/Tan V Mai/ Primary Examiner, Art Unit 2193	Applicant/Applicant's Representat	ive Signature – if appropriate)		

Application No. 10/726,828

Continuation of Substance of Interview including description of the general nature of what was discussed: In Claim 39, line 8; "comparator" has been changed to —comparing circuit—; and line 9; "comparator" has been changed to —comparing circuit—; and

Claim 51, line 8; "comparing means" has been changed to --comparing circuitry--.